



# WATER RESOURCE MANAGEMENT

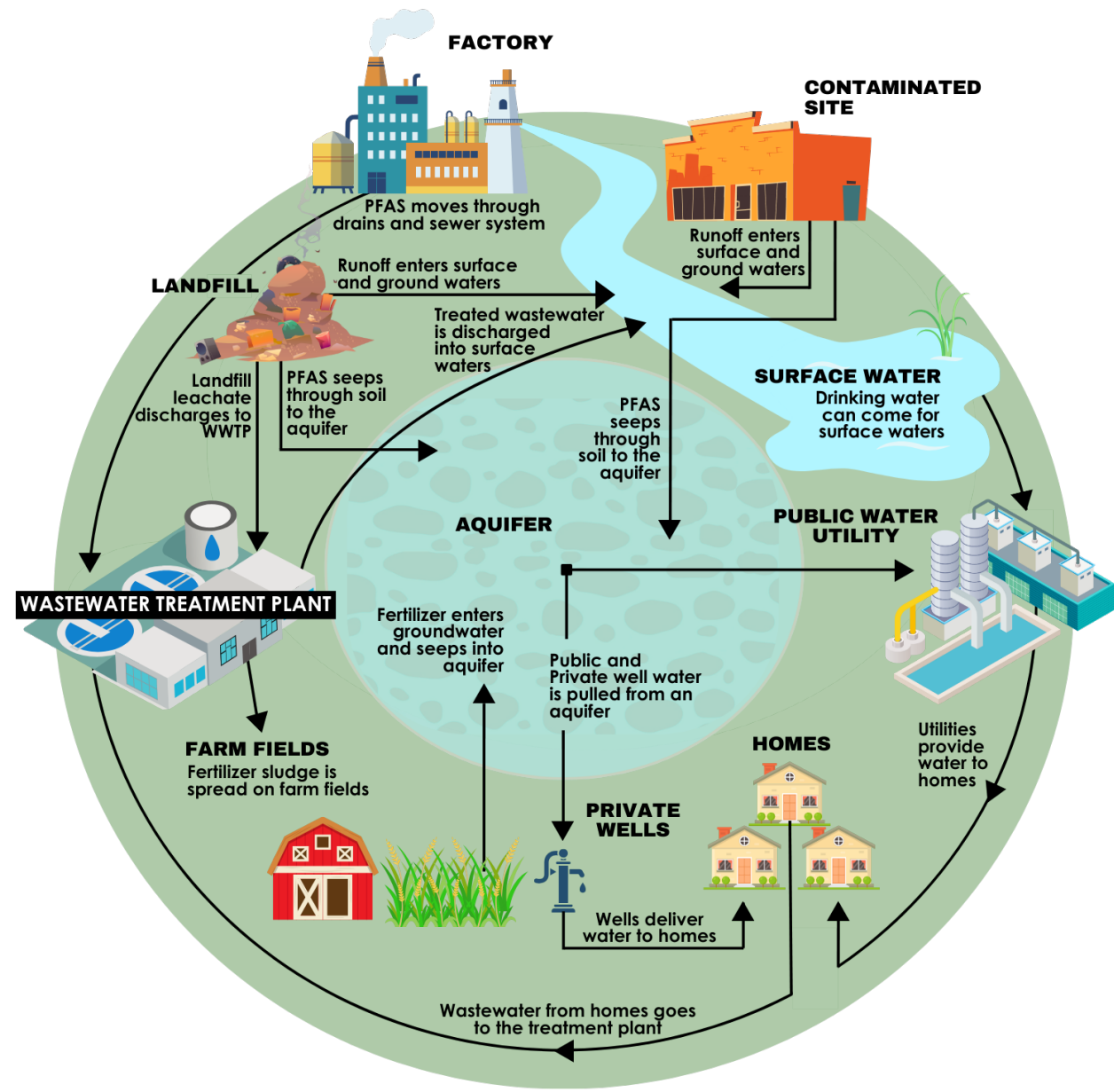
## DWQ's Strategy: Addressing PFAS in Wastewater

---

**Susan Rosenwinkel** | Director-  
*Division of Water Quality*

*Clean Water Council Public Hearing*  
*December 17, 2024*

# PFAS Water Cycle

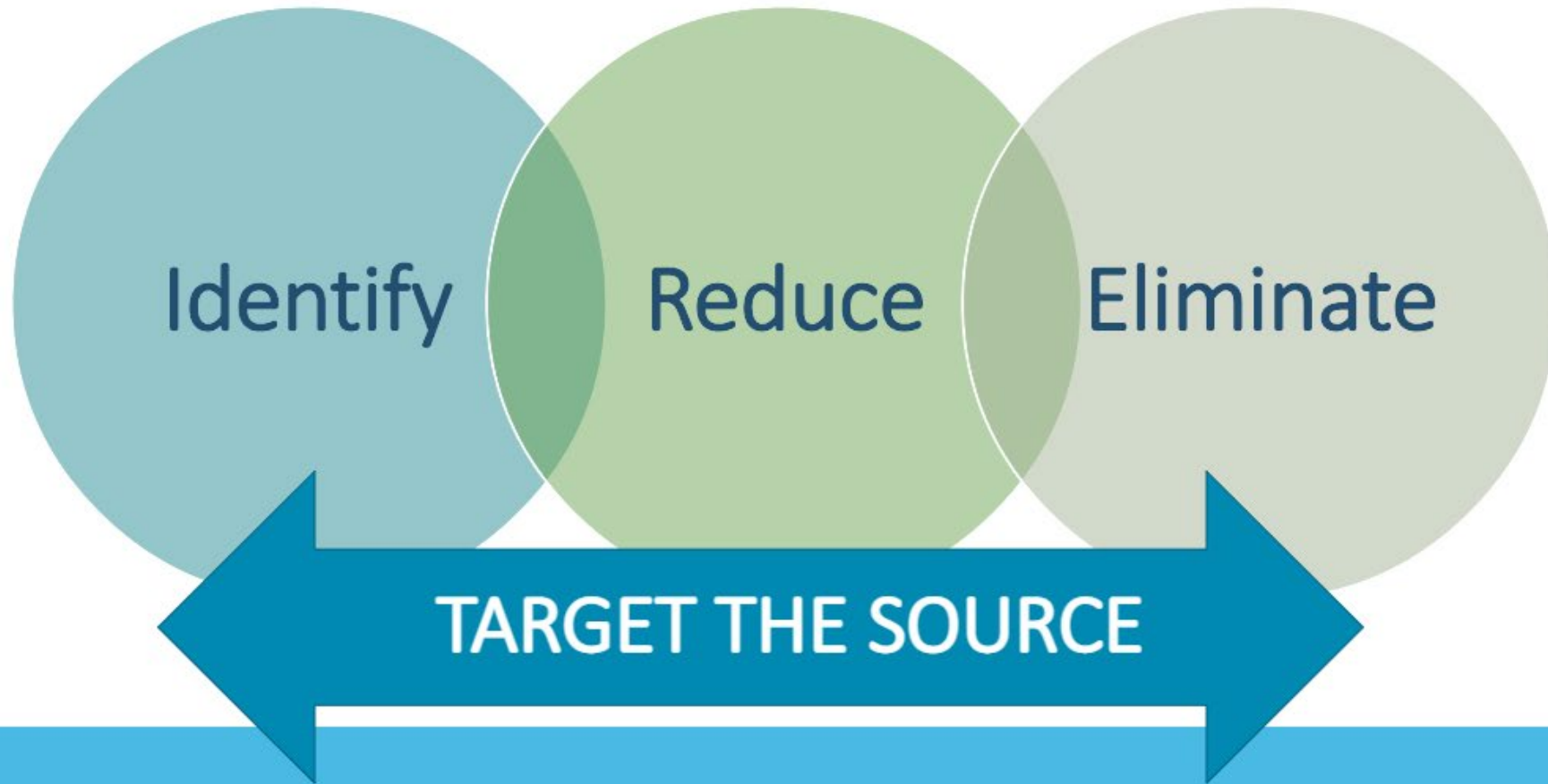


# ADDRESSING PFAS IN WASTEWATER





# DWQ PFAS Approach





# DWQ PFAS STRATEGY - Surface Water & Pretreatment

## Division of Water Quality PFAS Strategy: Identify, Reduce, and Eliminate sources of PFAS

On January 17, 2023, the Commissioner signed [Administrative Order 2023-01](#) to encourage the collection of data that will aid in efforts to identify, reduce and eliminate sources of PFAS in wastewater and its residuals.



Discharge to Surface  
Water and Pretreatment  
Permits

[Read more](#)



Discharge to Ground  
Water Permits

[Read more](#)



Residuals, Biosolids,  
and Sewage Sludge  
Permits

[Read more](#)



PFAS Data Collection

[Read more](#)



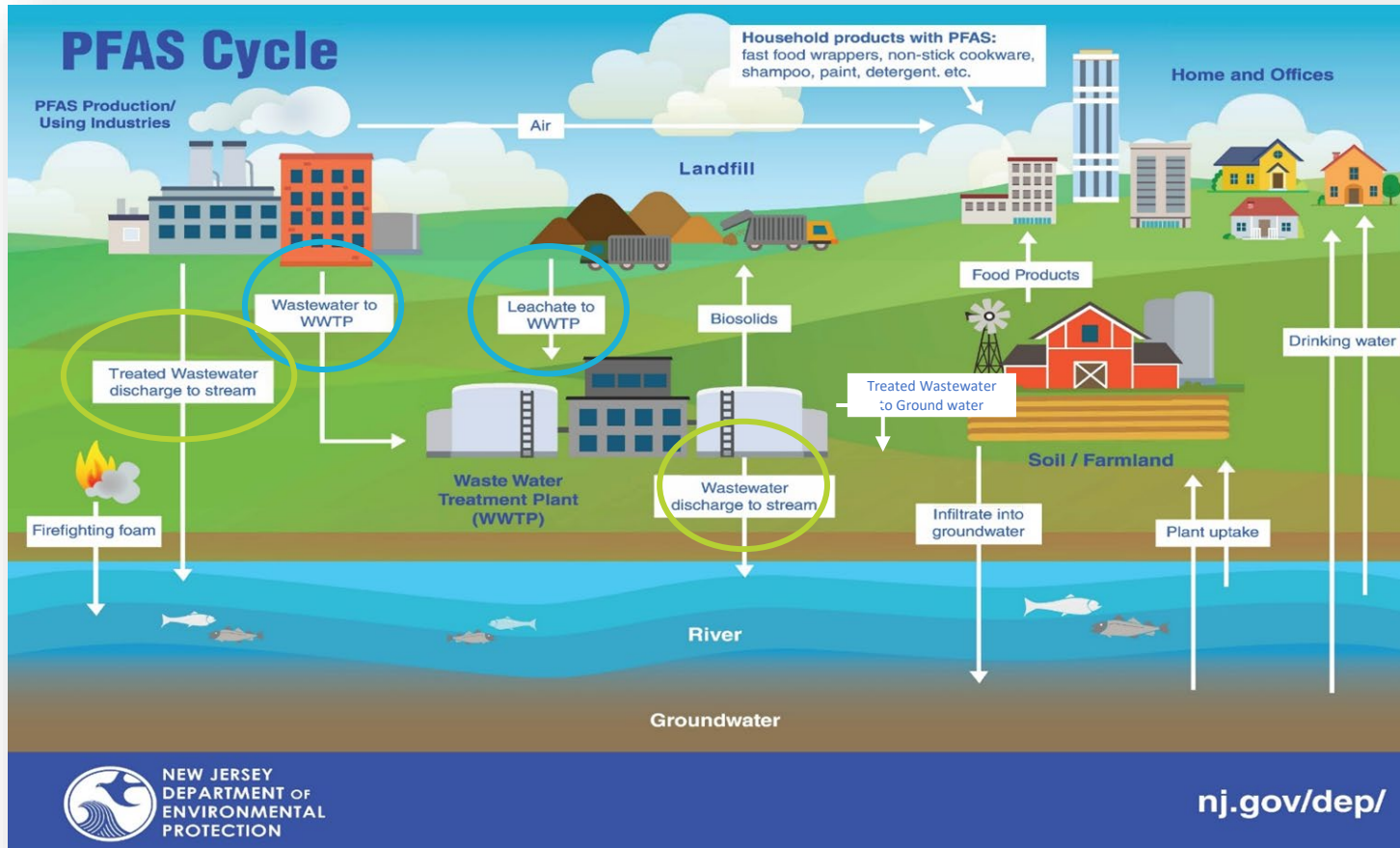
DEP PFAS

[Read more](#)





# Surface Water and Pretreatment



- **Surface Water**

- Industrial Facilities discharging treated wastewater directly to Surface Water

- **Pretreatment**

- Industrial facilities discharging wastewater to a POTW
- Industrial facilities regulated by a Delegated Local Agency



# Surface Water and Pretreatment

## FACTORS CONSIDERED

**Publicly Owned Treatment Works (POTWs) do not typically use or generate PFAS**

**Conventional Treatment Technology is not designed to remove PFAS**

**Treatment technology for PFAS at POTWs may not be viable at this time**

**Treatment technologies for POTWs is emerging, but more research is needed**

# TARGET THE SOURCE



# Surface Water and Pretreatment PFAS COMPOUNDS FOR MONITORING

## Short Chain PFAS

**C4** : Perfluorobutanoic acid (PFBA)\*  
**C5** : Perfluoropentanoic acid (PFPeA)\*  
**C6** : Perfluorohexanoic acid (PFHxA)  
**C7** : Perfluoroheptanoic acid (PFHpA)  
**C4-S** : Perfluorobutanesulfonic acid (PFBS)  
**C6-S** : Perfluorohexanesulfonic acid (PFHxS)  
**GenX** : Hexafluoropropylene oxide dimer acid(HFPO-DA)\*\*

## Long Chain PFAS

**C8** – Perfluorooctanoic acid (PFOA)  
**C9** – Perfluorononanoic acid (PFNA)  
**C10** – Perfluorodecanoic acid (PFDA)  
**C11** – Perfluoroundecanoic acid (PFUnA)  
**C12** – Perfluorododecanoic acid (PFDoA)  
C13 – Perfluorotridecanoic acid (PFTriA)  
C14 – Perfluorotetradecanoic acid (PFTeA)  
C8-S – Perfluorooctanesulfonic acid (PFOS)

### Most Frequent PFAS Compounds Detected

Perfluorohexanoic acid (PFHxA) C6  
Perfluoroheptanoic acid (PFHpA)C7  
Perfluorooctanoic acid (PFOA)C8





# DWQ PFAS STRATEGY – Data Collection

## Division of Water Quality PFAS Strategy: Identify, Reduce, and Eliminate sources of PFAS

On January 17, 2023, the Commissioner signed [Administrative Order 2023-01](#) to encourage the collection of data that will aid in efforts to identify, reduce and eliminate sources of PFAS in wastewater and its residuals.



Discharge to Surface  
Water and Pretreatment  
Permits

[Read more](#)



Discharge to Ground  
Water Permits

[Read more](#)



Residuals, Biosolids,  
and Sewage Sludge  
Permits

[Read more](#)



PFAS Data Collection

[Read more](#)



DEP PFAS

[Read more](#)

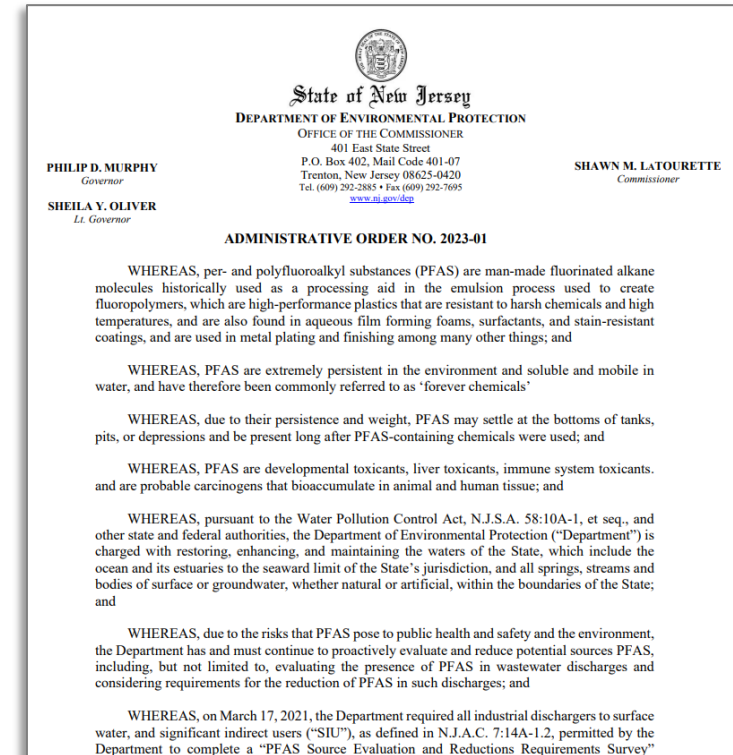


# TARGET THE SOURCE

**IDENTIFY** → **REDUCE** → **ELIMINATE**

On January 17, 2023, NJDEP Commissioner Shawn LaTourette issued [Administrative Order 2023-01](#) to encourage the collection of data that will aid in the Department's efforts to identify, reduce and eliminate sources of PFAS in wastewater and its residuals.

Administrative Order has been posted on the DWQ PFAS webpage: <https://www.nj.gov/dep/dwq/pfas.htm>






# PFAS Data Collection

[Home](#) / [PFAS](#) / [PFAS Data Collection](#)

The Division of Water Quality has created the tools below to facilitate the collection of PFAS data from treatment entities across New Jersey. This will aid in the efforts to identify, reduce, and eliminate sources of PFAS in wastewater and its residuals. DWQ encourages the submission of data to help gain a better understanding of PFAS sources.

On January 17, 2023, the Commissioner signed [Administrative Order 2023-01](#)  to encourage the collection of data.

## Resources

[PFAS Data Entry Template](#)



[PFAS Data Collection and Submission Guidance Document](#)





# PFAS Data Collection

## Data Collection and Submission Guidance



*New Jersey Department of Environmental Protection*

*Division of Water Quality*

***AO 2023-01***

***PFAS Data Collection and Submission  
Guidance Document***

## Data Entry Template

	A	B	C	D	E	F
1	POTW Identification Number	DLA/Non-DLA	Flow Range (MGD)	Sample Point	Monitored Location Designator	Laboratory ID
2						
3						
4						
5						
6						
7						

	A	B	C	D	E	F	G
1	User Identification Number	Flow Range (GPD)	SIC Code 1	SIC Code 2	SIC Code 3	Categorical Industry	Sample Point
2							
3							
4							
5							

< > ≡ POTW Users +





# DWQ PFAS STRATEGY – Ground Water

## Division of Water Quality PFAS Strategy: Identify, Reduce, and Eliminate sources of PFAS

On January 17, 2023, the Commissioner signed [Administrative Order 2023-01](#) to encourage the collection of data that will aid in efforts to identify, reduce and eliminate sources of PFAS in wastewater and its residuals.



Discharge to Surface  
Water and Pretreatment  
Permits

[Read more](#)



Discharge to Ground  
Water Permits

[Read more](#)



Residuals, Biosolids,  
and Sewage Sludge  
Permits

[Read more](#)



PFAS Data Collection

[Read more](#)

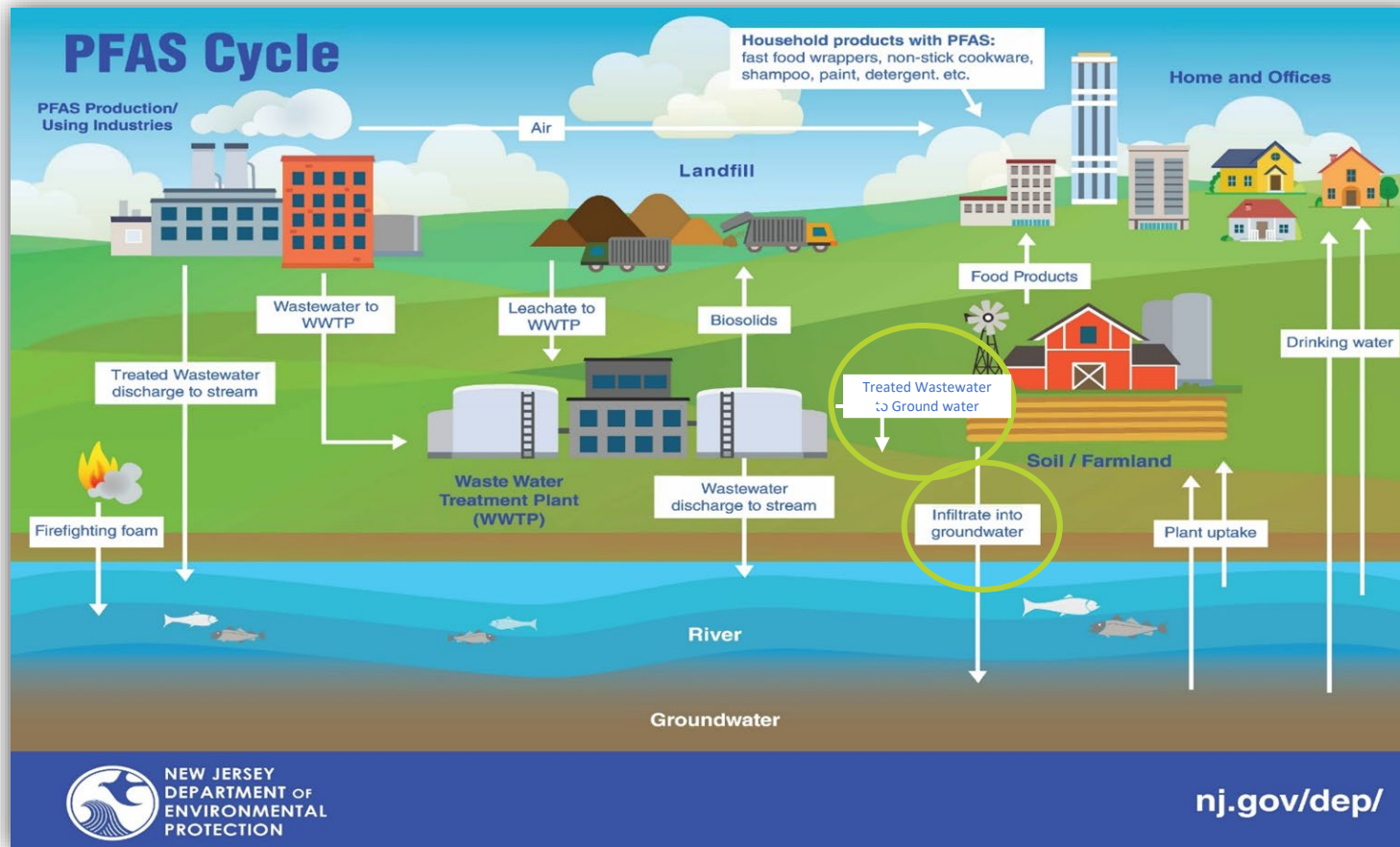


DEP PFAS

[Read more](#)



# Ground Water



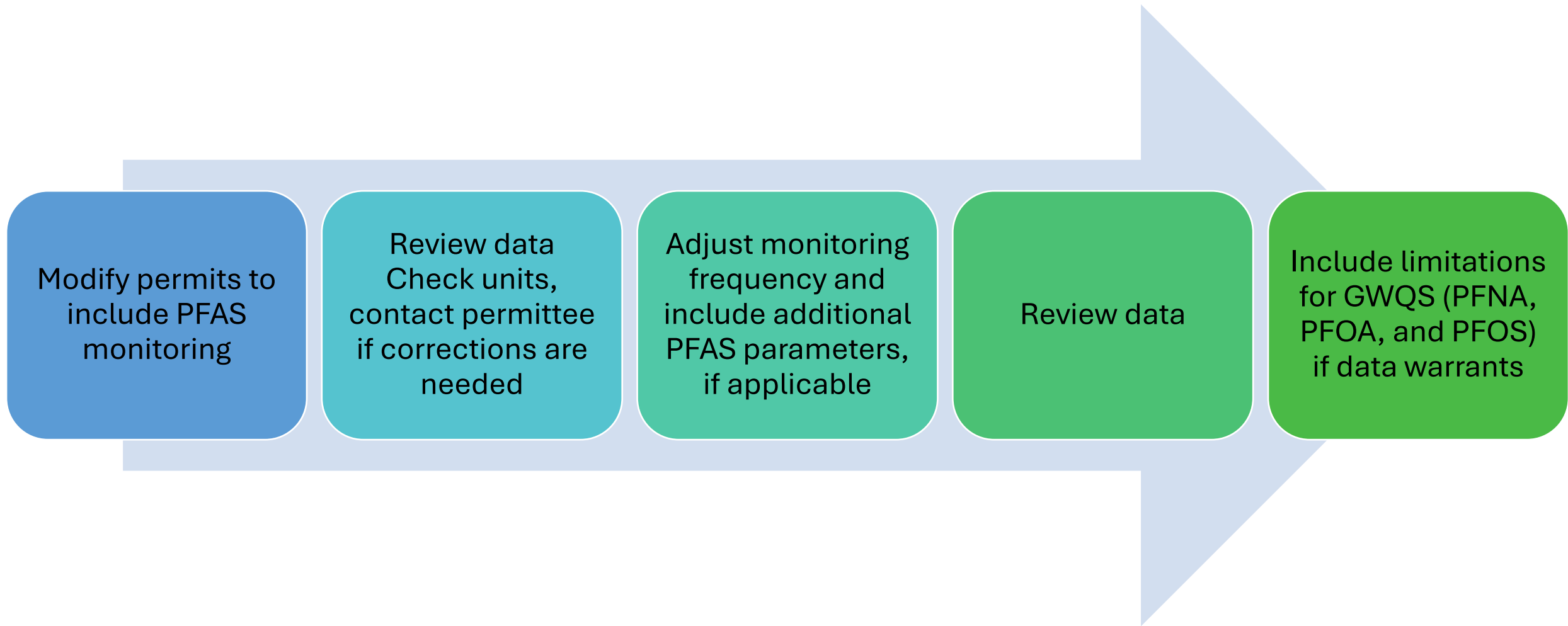
- **Ground Water**

- Industrial facilities discharging treated wastewater ground water
- Sanitary facilities discharging greater than 100,000 gpd





# Ground Water - PFAS APPROACH





# PFAS STANDARDS: Ground Water

## Groundwater PFAS Standards:

Analyte	Standard	Adopted
PFNA	13 ppt	January 16, 2018
PFOA	14 ppt	June 1, 2020
PFOS	13 ppt	June 1, 2020

---

# THANK YOU

---